



Static sensitive device

**Current part - Recommended for new designs**

#### Frequency Stability Options

Operating Temperature Range		Frequency Stability (PPM)					
		±15	±20	±25	±30	±50	±100
Standard	-0°C to +70°C	N/A	N/A	N/A	N/A	BS	CS
Industrial	-30°C to +85°C	N/A	N/A	N/A	N/A	BI	CI

#### Marking & Specification Code Format

Type	Voltage Code	OTR/Stability	Frequency	WWYY
471	See right panel	See Above	ie 20.000	1611

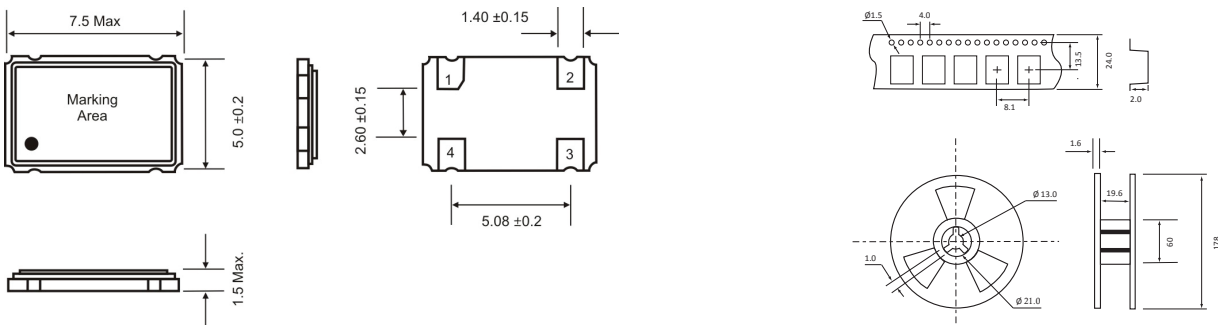
#### Operating Conditions

Storage Temp	-55°C to +125°C
Option Codes	
Supply Voltage	Option Code
+3.3V DC	0
+2.8V DC	28
+2.5V DC	25

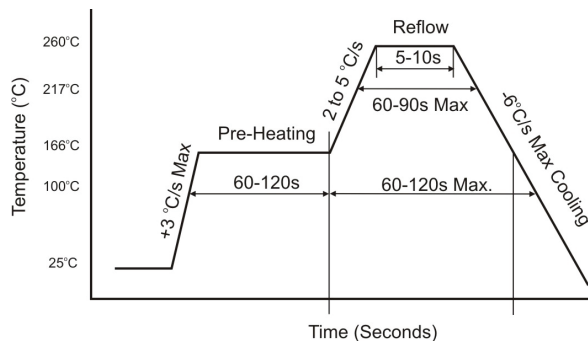
#### Electrical Characteristics Ta = +25°C, <sup>Note</sup> Inclusive of V<sub>DD</sub> ±10%, Load Change ±10%, Ageing, Shock & Vibration

Parameter	Condition	V <sub>DD</sub> = +2.5V	V <sub>DD</sub> = +2.8V	V <sub>DD</sub> = +3.3V
Input Current	1.80 to 31.999	1.5mA Max.	2.0mA Max.	2.5mA Max.
	32.0 to 50.000	2.5mA Max.	3.0mA Max.	3.5mA Max.
Frequency Stability	All Conditions (See Note)	See Options Above		
Symmetry	@50% V <sub>DD</sub> Level	45/55%		
Output Voltage	"0" Level	10% V <sub>DD</sub> Max.		
	"1" Level	90% V <sub>DD</sub> Min.		
Rise Time	10% to 90% V <sub>DD</sub>	12nS Max.		
Fall Time	90% to 10% V <sub>DD</sub>	12nS Max.		
Start Up Time	0V to V <sub>DD</sub>	5mS Max.		
Output Load	HCMOS Load	15pF Max.		

#### Dimensions (mm) 1,000pcs/Reel



#### Reflow Solder Profile (260°C) Pin Connections



Pad #	Connection
#1	E/D
#2	Ground
#3	Output
#4	V <sub>CC</sub>

Enable/Disable Function	
Pin 1 Input	Pin 8 Output
Open	Enable O/P
V <sub>IH</sub> ≥ 2.0V DC	Enable O/P
V <sub>IH</sub> < 0.8V DC	Disable O/P